

**Table 3.5**  
**Summary of Chemical Constituents Detected in Sifted Soils,**  
**March and April 2000**  
**Solid Waste Management Unit B-24**

Sample ID Sample Date Sample Type Soil Type Beginning Depth Ending Depth Lab ID	B24-SIFT01				B24-SIFT02				B24-SIFT03				B24-Sift04				B24-SIFT05				B24-SIFT06							
	04/21/00				04/21/00				03/28/00				04/21/00				03/28/00				04/21/00							
	N1				N1				N1				N1				N1				N1							
Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)								
4				1				5				3				5				3								
4.5				1.5				6				3.5				6				3.5								
AP91523				AP91524				AP90428				AP91525				AP90426				AP91526								
Soil Comparison Criteria																												
Lab	Lab	Background <sup>a</sup>	TRRP-Tier 1 (Res.	TRRP-Tier 1 (Ind.	Results				Results				Results				Results				Results				Results			
MDL	RL	Soil	<sup>100</sup> Soil <sub>(Comb)</sub> )	<sup>100</sup> Soil <sub>(Comb)</sub> )	Flags	Dilution	SQL	Flags	Dilution	SQL	Flags	Dilution	SQL	Flags	Dilution	SQL	Flags	Dilution	SQL	Flags	Dilution	SQL	Flags	Dilution	SQL			
<b>SW6010B (mg/kg)</b>																												
Barium	0.08	1.0	186	2,800	39,000																							
Chromium	0.1	20.0	40.2	30,000	95,000																							
Copper	0.19	2.0	23.2	550	38,000																							
Nickel	0.12	2.0	35.5	840	8,800																							
Zinc	0.63	5.0	73.2	9,900	250,000																							
<b>SW7060A (mg/kg)</b>																												
Arsenic	0.04	0.5	19.6	24	200																							
<b>SW7131A (mg/kg)</b>																												
Cadmium	0.01	0.1	3	52	8,500																							
<b>SW7421 (mg/kg)</b>																												
Lead	0.13	0.5	84.5	500	1,600																							
<b>SW7471A (mg/kg)</b>																												
Mercury	0.01	0.1	0.77	8.3	19																							
<b>SW8260B (mg/kg)</b>																												
Methylene chloride	0.0007	0.005	--	390	960																							
Toluene	0.0003	0.005	--	4,500	8,200																							
<b>SW8270C (mg/kg)</b>																												
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	43	560																							
Dinitrotoluene, 2,4-	0.05	0.7	--	6.9	28																							
Dinitrotoluene, 2,6-	0.04	0.7	--	6.9	28																							
Nitrosodiphenylamine, N-	0.05	0.7	--	570	1,900																							
<b>SW8330 (mg/kg)</b>																												
Nitrotoluene, 3-	0.16	0.6	--	380	1,000																							

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and DataChem Laboratories. Referenced laboratory package numbers: APPL Inc.: 32313, 32489, 32499 DataChem: 96-01

**Abbreviations and Notes:**

Highlighted and bolded sample concentrations exceed RRS1 (background) Standards. Boxed samples indicate results greater than TRRP - Tier 1 Industrial<sup>100</sup>Soil<sub>(Comb)</sub> Standards.  
a Background values from Revised Background Report, 2002  
-- No TRRP Tier 1 or background level available  
DL Dilution  
FD1 Field Duplicate  
Kr Krum Complex  
MDL Method Detection Limit  
N1 Environmental Sample  
NA Not Available  
RL Reporting Limit  
SQL Sample Quantitation Limit  
TRRP Texas Risk Reduction Program

**Data Qualifiers:**

F- The analyte was positively identified, but the associated numerical value is below the RL.  
J- The analyte was positively identified, the quantitation is an estimation.  
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Sample ID	Sample Date	Sample Type	Soil Type	Beginning Depth	Ending Depth	Lab ID	B24-Sift07				B24-Sift08				B24-Sift09				B24-Sift09				B24-Sift10				B24-Sift11				
							03/28/00				04/21/00				04/21/00				04/21/00				04/21/00				04/21/00				
							N1				N1				N1				FD1				N1				N1				
Soil Comparison Criteria							Results				Results				Results				Results				Results				Results				
Lab MDL	Lab RL	Background <sup>a</sup> Soil	TRRP-Tier 1 (Res. For Soil <sub>comb</sub> )	TRRP-Tier 1 (Ind. For Soil <sub>comb</sub> )	Flags				Flags				Flags				Flags				Flags				Flags						
<b>SW6010B (mg/kg)</b>							141.03	J	1	1.0	112.88	J	1	1.0	107.32	J	1	1.0	117.68	J	1	1.0	137.19	J	1	1.0	174.94	J	1	1.0	
Barium	0.08	1.0	186	2,800	39,000																										
Chromium	0.1	20.0	40.2	30,000	95,000		19.6	F	1	20.0	21.5		1	20.0	19.9	F	1	20.0	21.		1	20.0	20.4		1	20.0	19.6	F	1	20.0	
Copper	0.19	2.0	23.2	550	38,000		<b>61.41</b>	<b>J</b>	<b>1</b>	<b>2.0</b>	<b>455.33</b>	<b>J</b>	<b>5</b>	<b>10.0</b>	<b>504.05</b>	<b>M</b>	<b>5</b>	<b>10.0</b>	<b>115.82</b>	<b>M</b>	<b>1</b>	<b>2.0</b>	<b>323.44</b>	<b>M</b>	<b>5</b>	<b>10.0</b>	<b>1,983.41</b>	<b>J</b>	<b>10</b>	<b>20.0</b>	
Nickel	0.12	2.0	35.5	840	8,800		11.90	J	1	2.0	12.7		1	2.0	11.87		1	2.0	12.34		1	2.0	11.99		1	2.0	15.36	J	1	2.0	
Zinc	0.63	5.0	73.2	9,900	250,000		<b>630.54</b>	<b>J</b>	<b>5</b>	<b>25.0</b>	<b>379.89</b>	<b>J</b>	<b>5</b>	<b>25.0</b>	<b>335.59</b>	<b>M</b>	<b>5</b>	<b>25.0</b>	<b>354.74</b>	<b>M</b>	<b>5</b>	<b>25.0</b>	<b>759.06</b>	<b>M</b>	<b>5</b>	<b>25.0</b>	<b>639.05</b>	<b>J</b>	<b>10</b>	<b>50.0</b>	
<b>SW7060A (mg/kg)</b>																															
Arsenic	0.04	0.5	19.6	24	200		3.19	J	1	0.5	3.78	J	1	0.5	3.31	M	1	0.5	3.45	M	1	0.5	2.66	M	1	0.5	2.86	J	1	0.5	
<b>SW7131A (mg/kg)</b>																															
Cadmium	0.01	0.1	3	52	8,500		0.67	J	5	0.5	0.17		1	0.1	0.20		1	0.1	0.63		5	0.5	0.22		1	0.1	0.23		1	0.1	
<b>SW7421 (mg/kg)</b>																															
Lead	0.13	0.5	84.5	500	1,600		<b>512.8</b>	<b>J</b>	<b>250</b>	<b>125.0</b>	<b>459.3</b>	<b>J</b>	<b>250</b>	<b>125.0</b>	<b>330.5</b>	<b>M</b>	<b>250</b>	<b>125.0</b>	<b>213.6</b>	<b>M</b>	<b>250</b>	<b>125.0</b>	<b>884.4</b>	<b>M</b>	<b>250</b>	<b>125.0</b>	<b>4921</b>	<b>J</b>	<b>5000</b>	<b>2500.0</b>	
<b>SW7471A (mg/kg)</b>																															
Mercury	0.01	0.1	0.77	8.3	19		0.01	R	1	0.1	0.03	F	1	0.1	0.02	F	1	0.1													
<b>SW8260B (mg/kg)</b>																															
Methylene chloride	0.0007	0.005	--	390	960																										
Toluene	0.0003	0.005	--	4,500	8,200																										
<b>SW8270C (mg/kg)</b>																															
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	43	560																										
Dinitrotoluene, 2,4-	0.05	0.7	--	6.9	28																										
Dinitrotoluene, 2,6-	0.04	0.7	--	6.9	28																										
Nitrosodiphenylamine, N-	0.05	0.7	--	570	1,900																										
<b>SW8330 (mg/kg)</b>																															
Nitrotoluene, 3-	0.16	0.6	--	380	1,000																										

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and DataChem Laboratories. Referenced laboratory package numbers: APPL Inc.: 32313, 32489, 32499 DataChem: 96-01

**Abbreviations and Notes:**

- Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
- Boxed samples indicate results greater than TRRP - Tier 1 Industrial<sup>SM</sup>Soil<sub>comb</sub> Standards.
- a Background values from Revised Background Report, 2002
- No TRRP Tier 1 or background level available
- DL Dilution
- FD1 Field Duplicate
- Kr Krum Complex
- MDL Method Detection Limit
- N1 Environmental Sample
- NA Not Available
- RL Reporting Limit
- SQL Sample Quantitation Limit
- TRRP Texas Risk Reduction Program

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Solid Waste Management Unit B-24**

Sample ID Sample Date Sample Type Soil Type Beginning Depth Ending Depth Lab ID	B24-SIFT12				B24-SIFT13				B24-SIFT14				B24-SIFT15				B24-SIFT16				B24-SIFT16								
	04/21/00				04/21/00				04/21/00				04/21/00				04/21/00				04/21/00								
	N1				N1				N1				N1				N1				FD1								
Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)									
2				3				4				3				2				2									
2.5				3.5				4.5				3.5				2.5				2.5									
AP91532				AP91533				AP91534				AP91535				AP91536				AP91537									
Soil Comparison Criteria																													
Lab	Lab	Background <sup>a</sup>	TRRP-Tier 1 (Res.	TRRP-Tier 1 (Ind.	Results																								
MDL	RL	Soil	<sup>100</sup> Soil <sub>Comp</sub> )	<sup>100</sup> Soil <sub>Comp</sub> )	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	
<b>SW6010B (mg/kg)</b>					<b>624.42</b>	<b>J</b>	<b>500</b>	<b>500.0</b>	<b>582.15</b>	<b>J</b>	<b>20</b>	<b>20.0</b>	<b>238.76</b>	<b>J</b>	<b>1.0</b>	<b>1.0</b>	113.48	J	1	1.0	118.45	J	1	1.0	115.29	J	1	1.0	
Barium	0.08	1.0	186	2,800	39,000																								
Chromium	0.1	20.0	40.2	30,000	95,000	19.6	F	1	20.0	22.7		1	20.0	22.8		1.0	20.0	23.2		1	20.0	25.8		1	20.0	24.9		1	20.0
Copper	0.19	2.0	23.2	550	38,000	<b>53218</b>	<b>M</b>	<b>500</b>	<b>1000.0</b>	<b>2145</b>	<b>M</b>	<b>20</b>	<b>40.0</b>	<b>1275</b>	<b>M</b>	<b>10</b>	<b>20.0</b>	<b>141.98</b>	<b>M</b>	<b>1</b>	<b>2.0</b>	<b>2330</b>	<b>M</b>	<b>10</b>	<b>20.0</b>	<b>52.14</b>	<b>M</b>	<b>1</b>	<b>2.0</b>
Nickel	0.12	2.0	35.5	840	8,800	19.08		1	2.0	14.37		1	2.0	14.97		1.0	2.0	15.17		1	2.0	14.77		1	2.0	14.61		1	2.0
Zinc	0.63	5.0	73.2	9,900	250,000	<b>22206</b>	<b>M</b>	<b>500</b>	<b>2500.0</b>	<b>990.12</b>	<b>M</b>	<b>20</b>	<b>100.0</b>	<b>1,294.42</b>	<b>M</b>	<b>10</b>	<b>50.0</b>	<b>164.27</b>	<b>M</b>	<b>1</b>	<b>5.0</b>	<b>195.32</b>	<b>M</b>	<b>1</b>	<b>5.0</b>	<b>87.69</b>	<b>M</b>	<b>1</b>	<b>5.0</b>
<b>SW7060A (mg/kg)</b>																													
Arsenic	0.04	0.5	19.6	24	200	3.29	M	1	0.5	3.22	M	1	0.5	2.73	M	1	0.5	2.11	M	1	0.5	3.17	M	1	0.5	6.82	M	5	2.5
<b>SW7131A (mg/kg)</b>																													
Cadmium	0.01	0.1	3	52	8,500	1.96		10	1.0	0.71		5	0.5	0.14		1	0.1	0.12		1	0.1	0.17		1	0.1	0.15		1	0.1
<b>SW7421 (mg/kg)</b>																													
Lead	0.13	0.5	84.5	500	1,600	<b>8197</b>	<b>M</b>	<b>2000</b>	<b>1000.0</b>	<b>2803</b>	<b>M</b>	<b>1000</b>	<b>500.0</b>	<b>1575</b>	<b>M</b>	<b>500</b>	<b>250.0</b>	<b>308.8</b>	<b>M</b>	<b>250</b>	<b>125.0</b>	<b>979.6</b>	<b>M</b>	<b>250</b>	<b>125.0</b>	<b>169.8</b>	<b>M</b>	<b>50</b>	<b>25.0</b>
<b>SW7471A (mg/kg)</b>																													
Mercury	0.01	0.1	0.77	8.3	19	0.03	F	1	0.1	0.03	F	1	0.1	0.03	F	1	0.1	0.03	F	1	0.1	0.03	F	1	0.1	0.02	F	1	0.1
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